WHAT IS CLAIMED IS

1) A single mold machine (1) for pressure casting sanitary wares, comprising a bed (2) having a substantially longitudinal direction "O", two platens (3, 4) associated with the bed (2), two mold half (5, 6) supported by a respective platen, one of the two platen (3; 4) being translatable relative to the bed (2) along the substantially longitudinal direction "O", and the remaining platen (4; 3) presenting a tilting platen (12; 112) having an axis (13) substantially horizontal and extending perpendicular to the longitudinal direction "O", the tilting platen (12; 112) being rotatable about the axis (13) and carrying one mold half (6; 5).

2) A single mold machine (1) as in claim 1, wherein the bed (2) comprises means (10) for sliding one of the platen (3; 4) along the substantially longitudinal direction "O", the means (10) being associated to the bed (2), the platen (3; 4) being supported from the bottom by the bed (2).

3) A single mold machine (1) as in claim 2, wherein the remaining platen (4; 3) is supported from the bottom by the bed (2) and includes means (14) for rotating said tilting platen (12; 112), said remaining platen (4; 3) being stationary relative to the bed (2).

4) A single mold machine (1) as in claim 1, wherein the tilting platen (12; 112) comprises at least two surfaces, each supporting one mold half (5; 6).

5) A single mold machine (1) as in claim 1, wherein one platen (4; 3) comprises a frame (16) divided into two parts whereby the access on the side remote from the other platen (3; 4) is free.

6) A single mold machine (1) as in claim 2, wherein means (10) for sliding comprise ways (9) associated with the bed (2), also wheels (11) associated with the translatable platen (3; 4) and running on the ways (9).

7) A single mold machine (1) as in claim 1, wherein the bed (2) is sunk into the bearing

surface under the machine (1) whereby an unrestricted access to the space between the platens (3; 4) is provided.

8) A single mold machine (1) for pressure casting sanitary wares, comprising a bed (2) having a substantially longitudinal direction "O", two platens (3, 4) associated with the bed (2), two mold half (5, 6) supported by a respective platen, one of the two platen (3; 4) being translatable relative to the bed (2) along the substantially longitudinal direction "O", and the remaining platen (4; 3) presenting a tilting platen (12; 112) having an axis (13) substantially horizontal and extending perpendicular to the longitudinal direction "O", the tilting platen (12; 112) being rotatable about the axis (13) through 360 degrees.

9) A single mold machine (1) as in claim 8, wherein the bed (2) comprises means (10) for sliding one of the platen (3; 4) along the substantially longitudinal direction "O", the means (10) being associated to the bed (2),

the platen (3; 4) being supported from the bottom by the bed (2).

10) A single mold machine (1) as in claim 9, wherein the remaining platen (4; 3) is supported from the bottom by the bed (2) and includes means (14) for rotating said tilting platen (12; 112), said remaining platen (4; 3) being stationary relative to the bed (2).

11) A single mold machine (1) as in claim 8, wherein the tilting platen (12; 112) comprises at least two surfaces, each supporting one mold half (5; 6).

12) A single mold machine (1) as in claim 8, wherein one platen (4; 3) comprises a frame (16) divided into two parts whereby the access on the side remote from the other platen (3; 4) is free.

13) A single mold machine (1) as in claim 9, wherein means (10) for sliding comprise ways (9) associated with the bed (2), also wheels (11) associated with the translatable platen (3; 4) and running on the ways (9).

14) A single mold machine (1) as in claim 8, wherein the bed (2) is sunk into the bearing surface under the machine (1) whereby an unrestricted access to the space between the platens (3; 4) is provided.

15) A single mold machine (1) for pressure casting sanitary wares, comprising a bed (2) having a substantially longitudinal direction "O", two platens (3, 4) associated with the bed (2), two mold half (5, 6) supported by a respective platen, one of the two platen (3; 4) being translatable relative to the bed (2) along the substantially longitudinal direction "O", and the remaining platen (4; 3) presenting a tilting platen (12; 112) having an axis (13) substantially horizontal and extending perpendicular to the longitudinal direction "O", the tilting platen (12; 112) being rotatable about the axis (13) through 360 degrees by a drive means (14) selected in the group consisting of electric, hydraulic, pneumatic and mechanical drive means.

16) A single mold machine (1) as in claim 15, wherein the drive means (14) are a geared electric motor.

17) A single mold machine (1) as in claim 15, wherein the bed (2) is sunk into the bearing surface under the machine (1) whereby an unrestricted access to the space between the platens (3; 4) is provided.

18) A method of changing molds in a single mold machine for pressure casting sanitary wares, the machine including two platens each serving to support a respective mold half, wherein one of the platens is translatable and the remaining platen incorporates a tilting platen, the two platens combining to support a first mold consisting in an assembly of two first mold halves, the method comprising:

fitting a second mold, consisting in two second mold halves joined one to another by mechanical connection means, to the free face of the tilting platen;

traversing the moving platen toward the tilting platen, in such a way that the two first mold halves are offered one to the other;

joining the two first mold halves one to another by way of mechanical connection means;

detaching the first mold half from the moving platen;

rotating the tilting platen through 180° in such a manner as to bring the first mold into a position allowing its removal;

traversing the moving platen toward the tilting platen, so as to offer the selfsame platen to the corresponding half of the second mold;

securing the second mold half to the moving platen;

separating the two second mold halves by unfastening the mechanical connection means;

detaching the first mold halves from the tilting platen.